Pro-face™

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PFXET6400WAD

Standard product information	Display specifications
Electrical specifications	Environmental specifications
Memory	Interface specifications
Structural specifications	Dimensions

Standard product information

Family	HMI
Series	ET6000 Series
Size	7.0" Wide
Model	PFXET6400WAD
Global Code	PFXET6400WAD
Product Features	7" DC Analog

Display specifications

Display type	TFT Color LCD
Display size	7" Wide
Resolution	800 x 480 pixels (WVGA)
Effective display area	W154.08 x H85.92 mm [W6.066 x H3.382 in.]
Display colors	16 million colors[*1]

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Backlight service life	50,000 hrs. or more (each in continuous operation at 25°C [77°F] before backlight brightness decreases to 25%)
Brightness control	16 Levels (Adjusted with touch panel or software)
Touch panel type	Resistive Film (analog, single-touch)
Touch panel resolution	1,024 x 1,024
Touch panel lifetime	1,000,000 times or more

*1   For details about Display colors, refer to the manual for your screen editing software.

Electrical specifications

Rated input voltage	24 Vdc
Input voltage limits	19.2 to 28.8 Vdc
Allowable voltage drop	5 ms or less
Power consumption	9 W
In-rush current	30 A or less
Noise immunity	Noise Voltage : 1,000 Vp-p Pulse Duration : 1 µs Rise Time : 1 ns (via noise simulator)
Voltage endurance	1,000 Vac, 20 mA for 1 minute (between charging and FG terminals)
Insulation resistance	500 Vdc, 10 MΩ or more

Environmental specifications

International safety standards	CE UKCA UL/cUL EAC KC

Storage temperature	-20 to +60 °C [-4 to 140 °F]
Ambient humidity	10% to 90% RH (Non condensing, wet bulb temperature 39 °C [102.2 °F] or less)
Storage humidity	10% to 90% RH (Non condensing, wet bulb temperature 39 °C [102.2 °F] or less)
Dust	0.1 mg/m^3 (10^{-7} oz/ft^3) or less (non-conductive levels)
Pollution degree	For use in Pollution Degree 2 environment
Corrosive gases	Free of corrosive gases
Air pressure (altitude range)	800 to 1,114 hPa (2,000 m [6,561 ft.] above sea level or less)
Vibration resistance	IEC/EN 61131-2 compliant 5 to 9 Hz single amplitude 3.5 mm [0.14 in.] 9 to 150 Hz fixed acceleration: 9.8 m/s^2 X, Y, Z directions for 10 cycles (approx. 100 min.)
Concussion resistance	IEC/EN 61131-2 compliant 147 m/s^2, X, Y, Z directions for 3 times
Electrical fast transient/burst	IEC 61000-4-4 2 kV: Power port (display unit) 1 kV: Signal ports
Electrostatic discharge immunity	Contact Discharge Method: 6 kV Air Discharge Method: 8 kV (IEC/EN61000-4-2 Level 3)

Memory

Application memory	**When using GP-Pro EX:** - Media: FLASH EPROM - Screen Area: 32MB - User Font Area: 8MB - Logic Program Area: 132KB (Equivalent to 15,000 steps) - Free Space: None **Removable System:** No
Backup memory	**When using GP-Pro EX:** - Screen Area: SRAM 128KB - Variable Area: None

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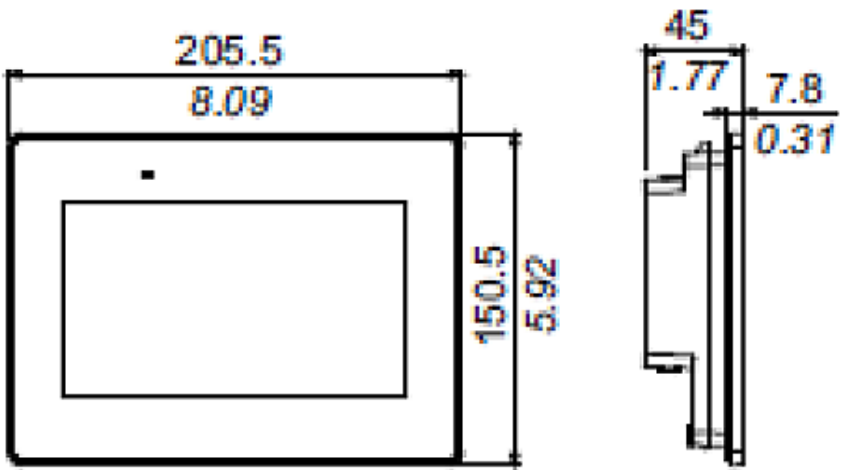## Interface specifications

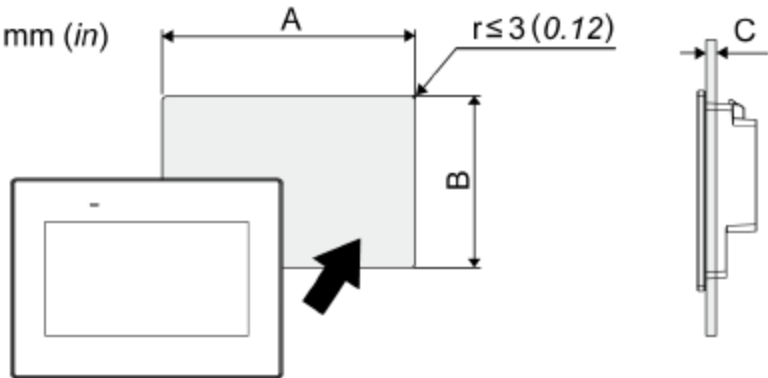|	
Serial (COM1)	Asynchronous Transmission: RS-232C, Data Length: 7 or 8 bits, Stop Bit: 1 or 2 bits, Parity: None, Even or Odd, Data Transmission Speed: 2,400 to 115,200 bps, Connector: D-Sub 9 (plug)
Serial (COM2)	Asynchronous Transmission: RS-422 / 485, Data Length: 7 or 8 bits, Stop Bit: 1 or 2 bits, Parity: None, Even or Odd, Data Transmission Speed: 2,400 to 115,200 bps, Connector: D-Sub 9 pin (plug)
USB (Type A)	Conforms to USB 2.0 (Type A) x 1
USB (micro-B)	Conforms to USB 2.0 (micro-B) x 1, Maximum transmission distance : 5 m [16.4 ft]
Ethernet	IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector: Modular jack (RJ-45) x 1

Structural specifications

Grounding	Functional grounding: Grounding resistance of 100 Ω, 2 mm^2 (AWG 14) or thicker wire, or your country's applicable standard.
Cooling method	Natural air circulation
Structure	IP65
External dimensions	W205.5 x H150.5 x D45 mm
Panel cut-out dimensions	W190 x H135 mm [W7.48 x H5.31 in.] Panel thickness area: 1.6 to 5 mm [0.06 to 0.2 in.][*1]
Weight	0.8 kg [1.76 lb] or less

[*1] For dimensional tolerance, everything +1/-0 mm [+0.04/-0 in.] and R in angle are below R3 [R0.12 in.]. Even if the installation wall thickness is within the recommended range for the "Panel Cut Dimensions", depending on wall's material, size, and installation location of GP unit and other devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.
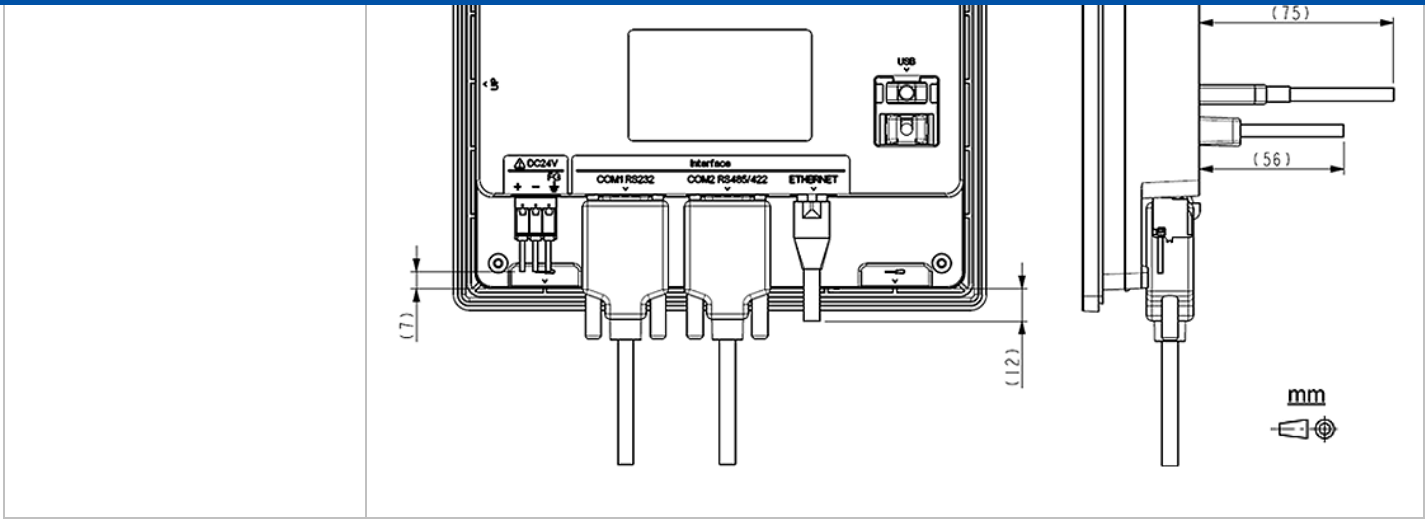
Dimensions

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205.5
8.09

150.5
5.92

45
1.77

7.8
0.31

Panel cut-out dimensions

mm (in)

A

r ≤ 3 (0.12)

B

C

A	B	C
190 mm (+1/0 mm) (7.48 in. [+0.04/0 in.])	135 mm (+1/0 mm) (5.31 in. [+0.04/0 in.])	1.6 to 5 mm (0.06 to 0.2 in.)

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